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| Disciplina | 624.177 |
| Soggetti | Mechanics, Applied<br>Solids<br>Surfaces (Technology)<br>Thin films<br>Manufactures<br>Solid Mechanics<br>Surfaces, Interfaces and Thin Film<br>Machines, Tools, Processes |
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| Nota di contenuto | 1 Investigation on clinching with additional local material bond by thermal joining -- 2 Development of semi-analytical models for aircraft wheel assembly design -- 3 Laser-based additive manufacturing of optical, thermal and structural components -- 4 Welding Process for the Additive Manufacturing of cantilevered Components with the WAAM -- 5 Single-sided resistance spot welding of steel-aluminum dissimilar joints - mechanical characterization and interface formation. |
| Sommario/riassunto | This book presents recent material science-based and mechanical analysis-based advances in joining processes. It includes all related processes, e.g. friction stir welding, joining by plastic deformation, laser welding, clinch joining, and adhesive bonding, as well as hybrid joints. It gathers selected full-length papers from the 1st Conference on Advanced Joining Processes. |